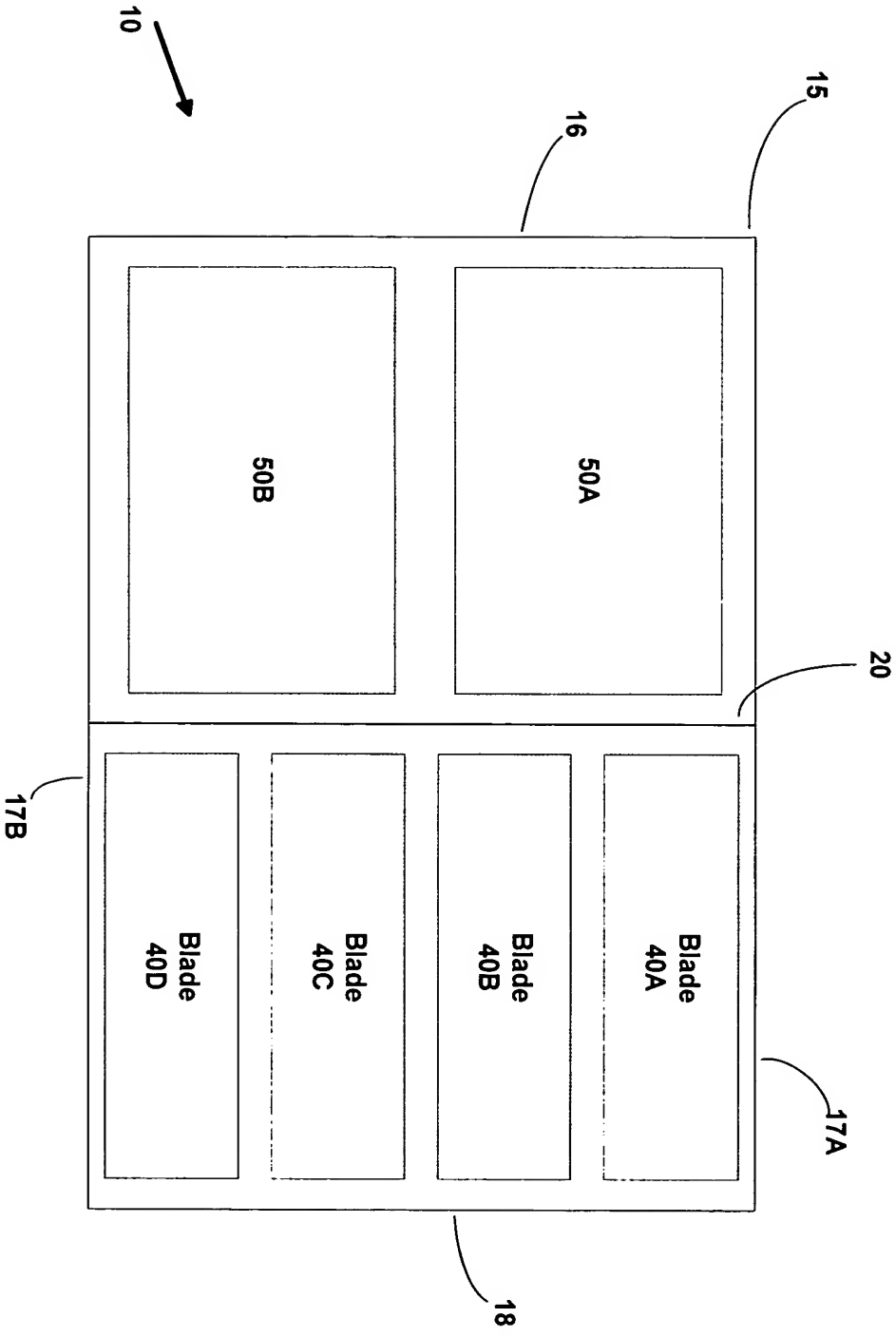
10
15
16
50B
50A
20
17B
Blade 40D
Blade 40C
Blade 40B
Blade 40A
17A
18

Figure 1

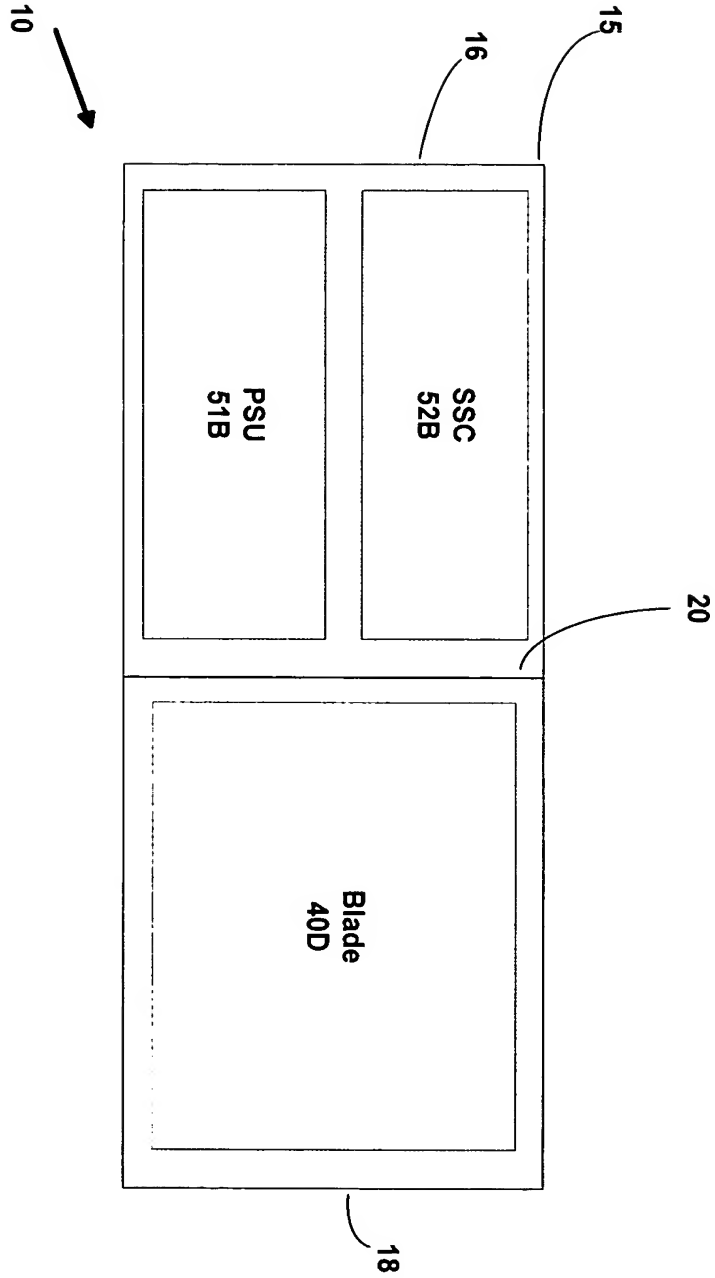

Figure 2

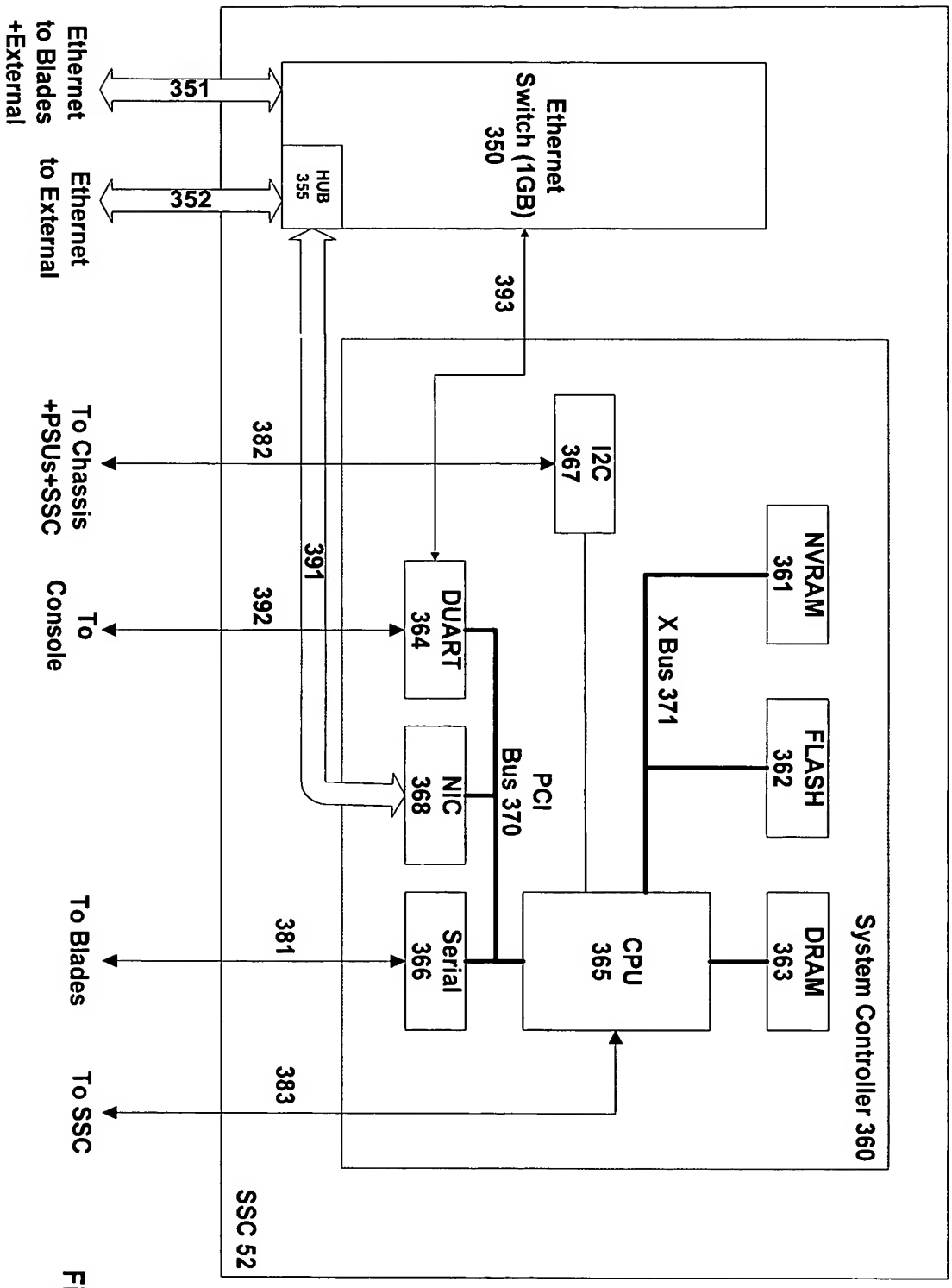
Ethernet to Blades +External
Ethernet to External
351
352
Ethernet Switch (1GB) 350
HUB 355
393
System Controller 360
I2C 367
382
To Chassis +PSUs+SSC
391
NVRAM 361
X Bus 371
FLASH 362
DUART 364
392
To Console
PCI Bus 370
NIC 368
Serial 366
CPU 365
DRAM 363
381
To Blades
383
To SSC
SSC 52

Figure 3

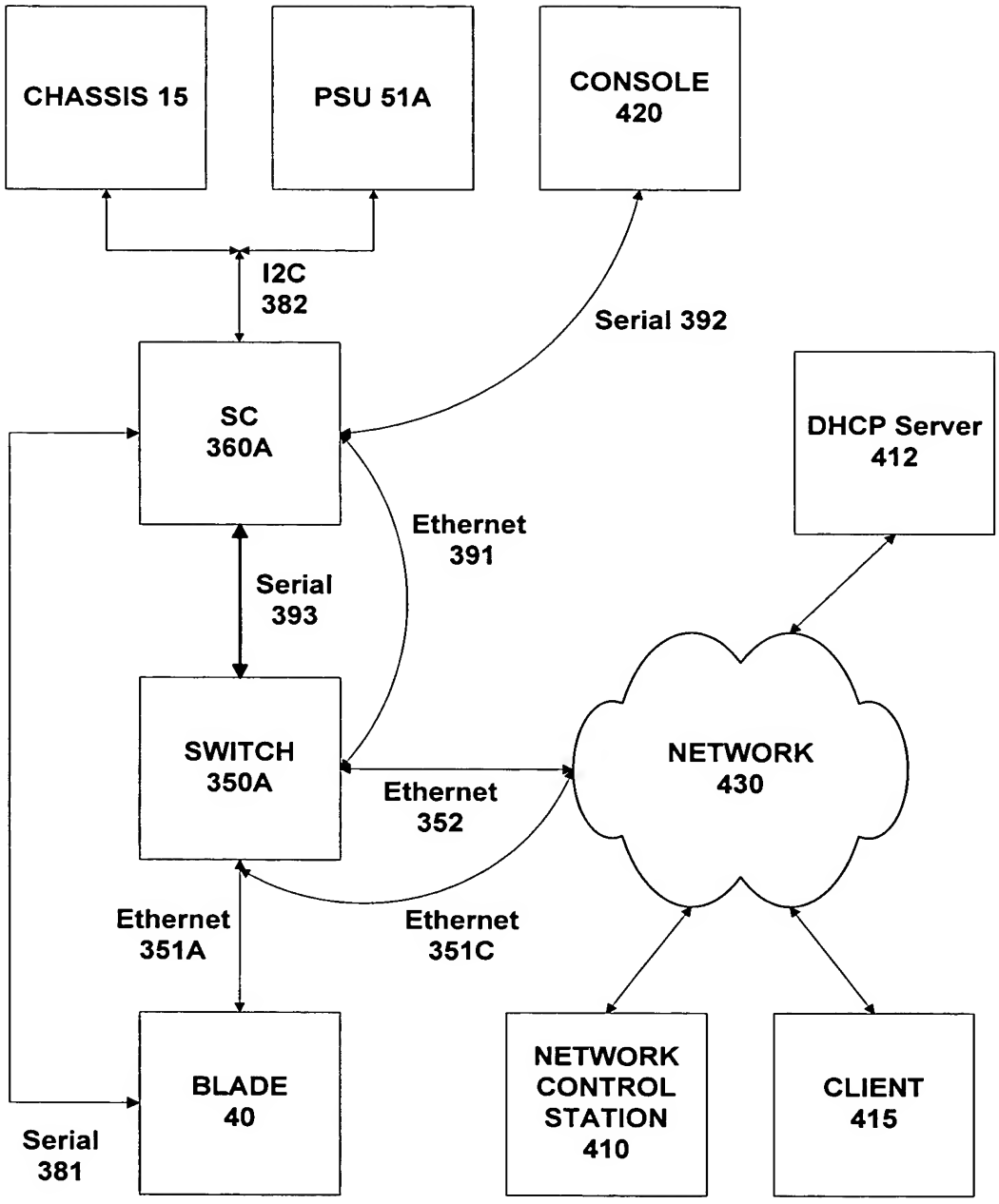
CHASSIS 15
PSU 51A
CONSOLE 420
I2C 382
Serial 392
SC 360A
DHCP Server 412
Ethernet 391
Serial 393
SWITCH 350A
NETWORK 430
Ethernet 352
Ethernet 351A
Ethernet 351C
BLADE 40
NETWORK CONTROL STATION 410
CLIENT 415
Serial 381

Figure 4

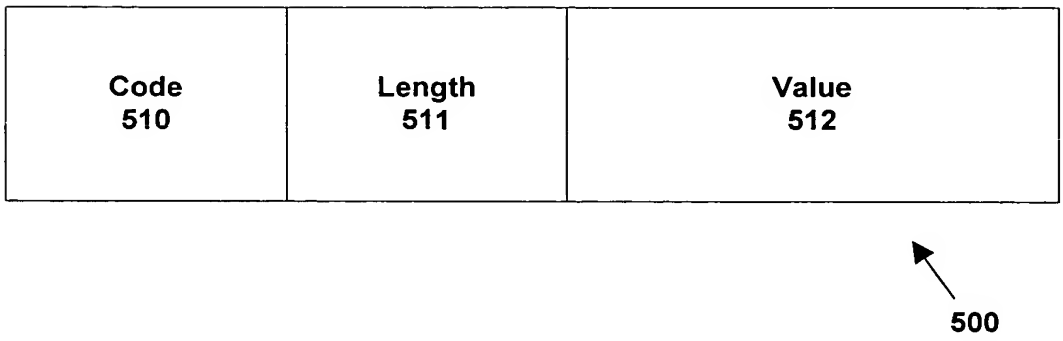

Figure 5

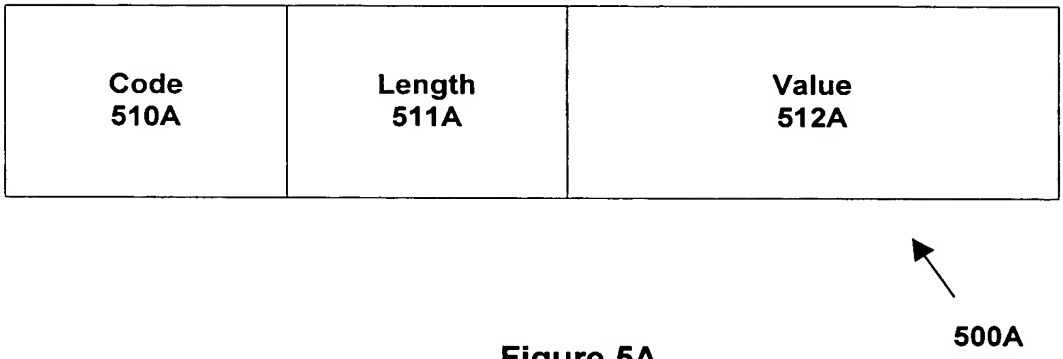

Figure 5A

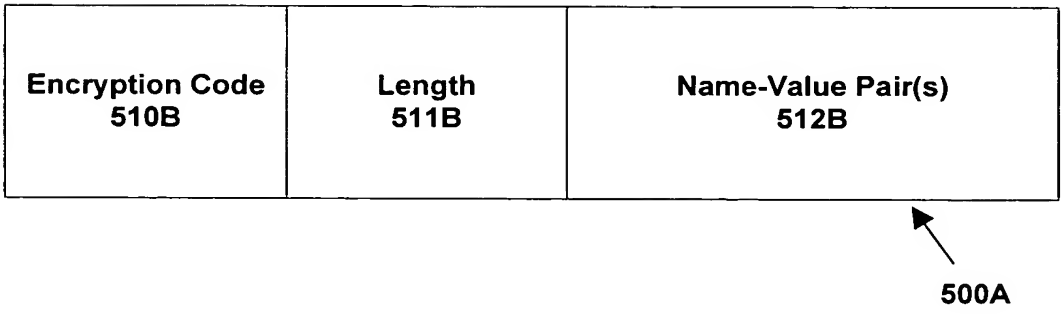

Figure 5B

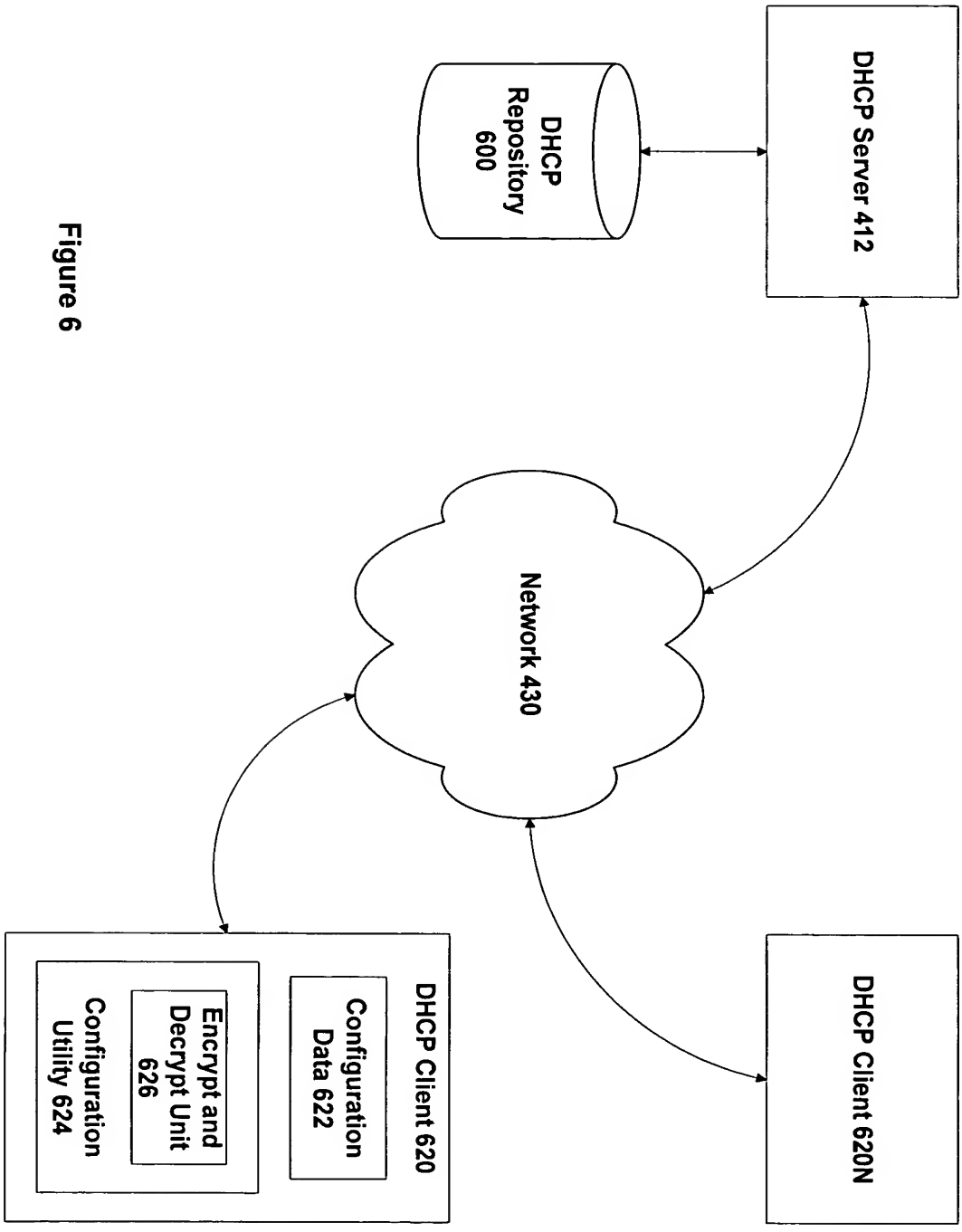
DHCP Server 412
DHCP Repository 600
Network 430
DHCP Client 620N
DHCP Client 620
Configuration Data 622
Encrypt and Decrypt Unit 626
Configuration Utility 624

Figure 6

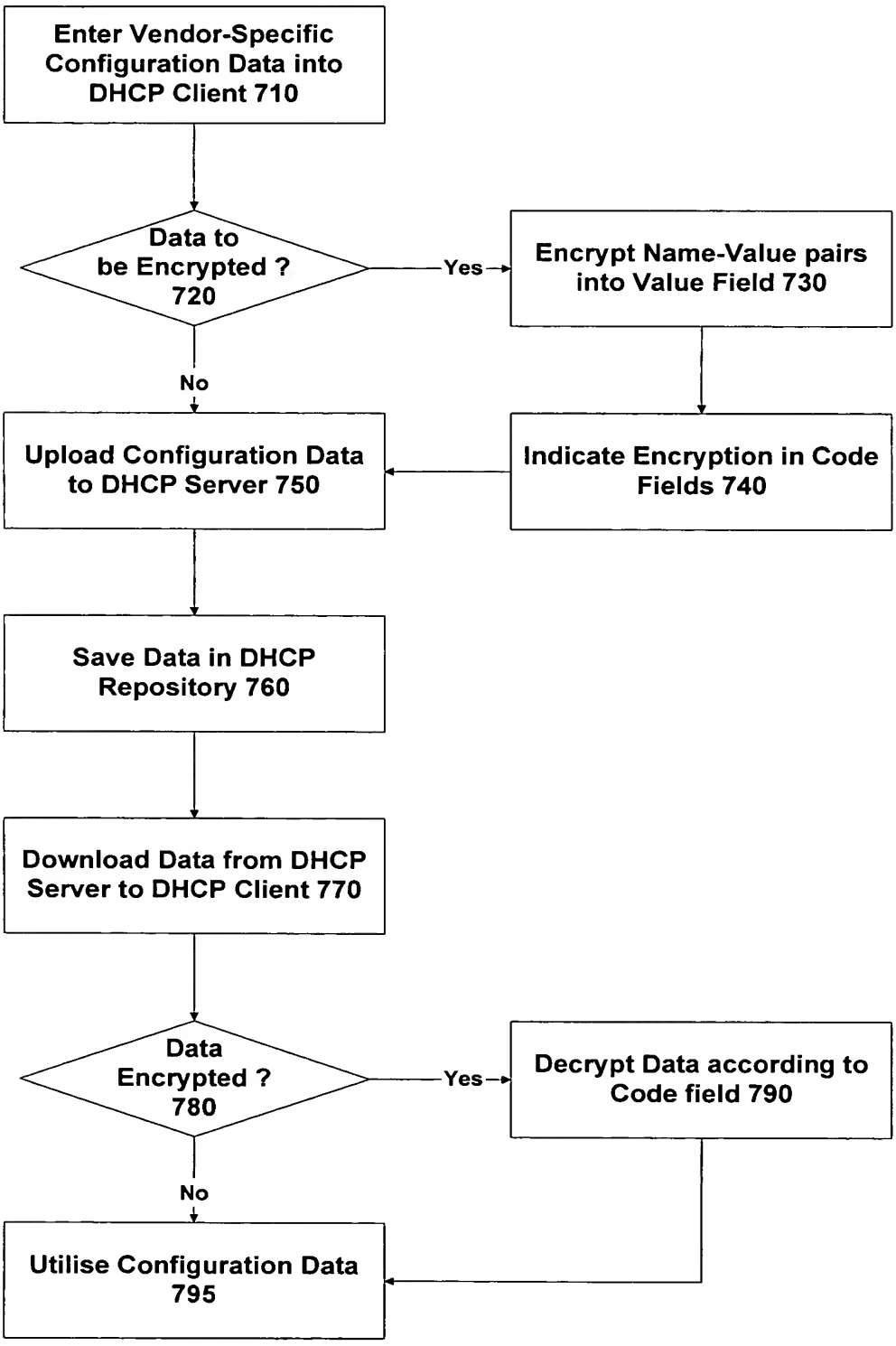
Enter Vendor-Specific Configuration Data into DHCP Client 710
Data to be Encrypted ? 720
Yes
Encrypt Name-Value pairs into Value Field 730
No
Upload Configuration Data to DHCP Server 750
Indicate Encryption in Code Fields 740
Save Data in DHCP Repository 760
Download Data from DHCP Server to DHCP Client 770
Data Encrypted ? 780
Yes
Decrypt Data according to Code field 790
No
Utilise Configuration Data 795

Figure 7

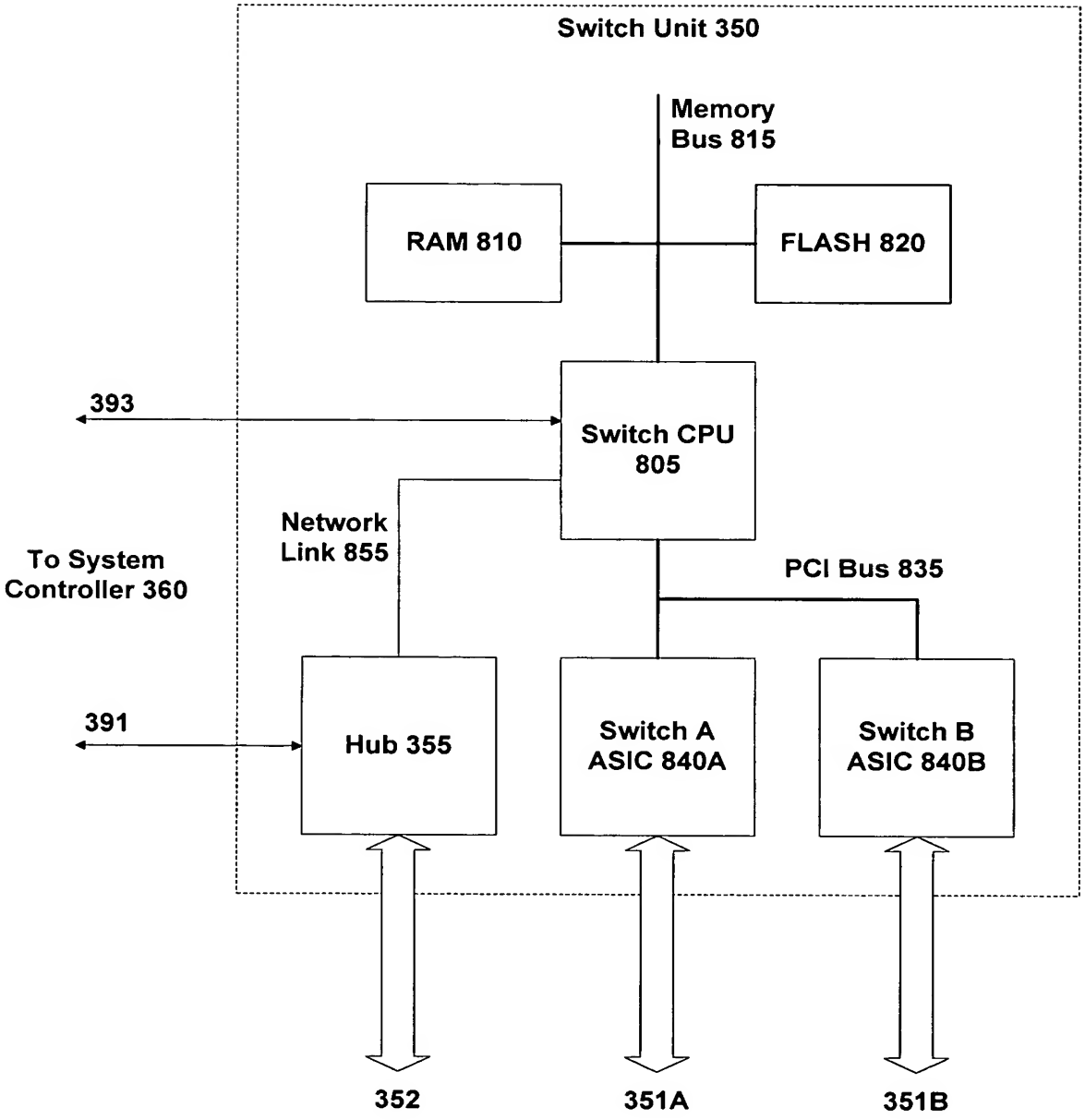
Switch Unit 350
Memory Bus 815
RAM 810
FLASH 820
393
Switch CPU 805
Network Link 855
To System Controller 360
PCI Bus 835
391
Hub 355
Switch A ASIC 840A
Switch B ASIC 840B
352
351A
351B

Figure 8

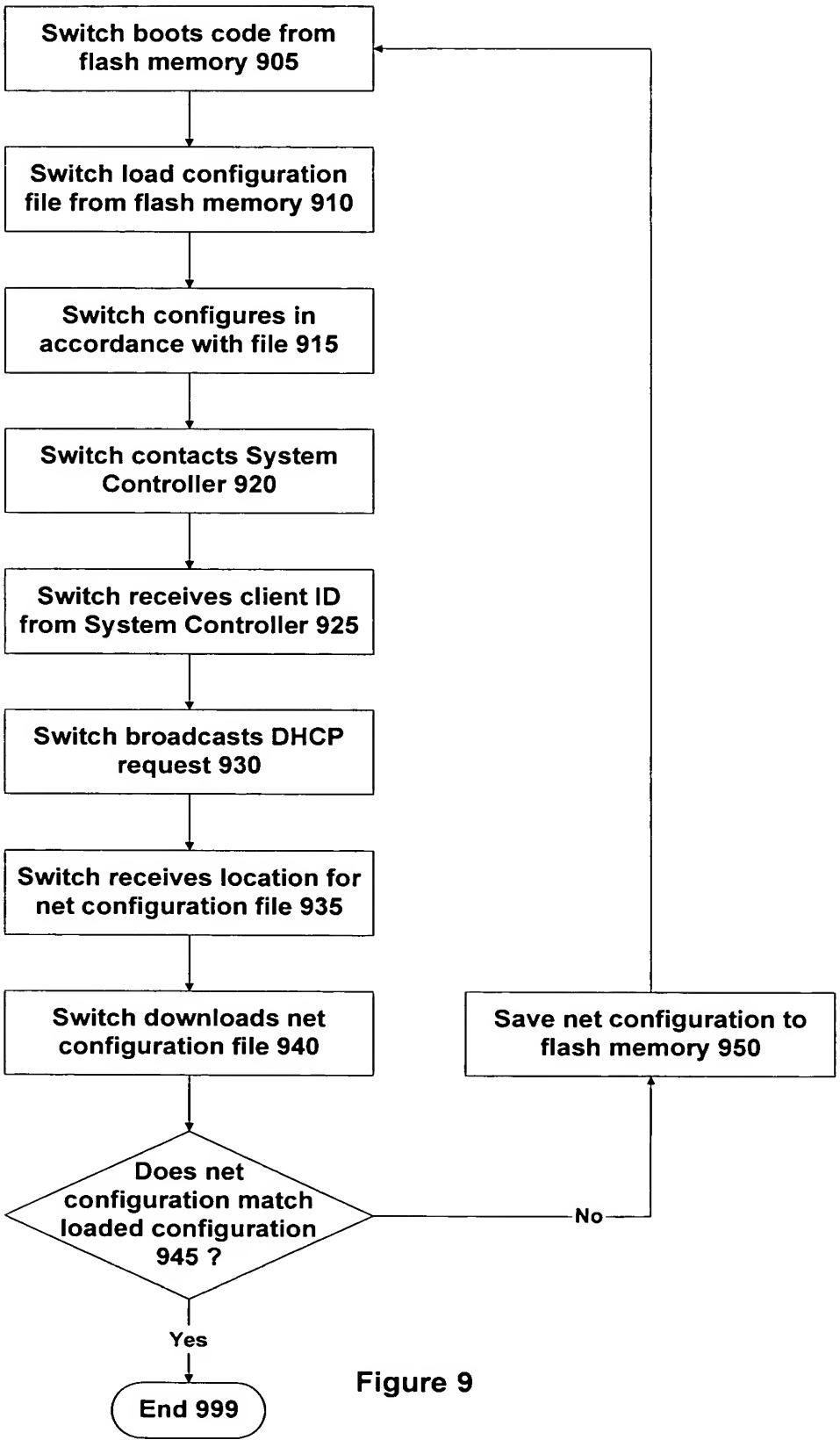
Switch boots code from flash memory 905
Switch load configuration file from flash memory 910
Switch configures in accordance with file 915
Switch contacts System Controller 920
Switch receives client ID from System Controller 925
Switch broadcasts DHCP request 930
Switch receives location for net configuration file 935
Switch downloads net configuration file 940
Does net configuration match loaded configuration 945 ?
No
Save net configuration to flash memory 950
Yes
End 999

Figure 9

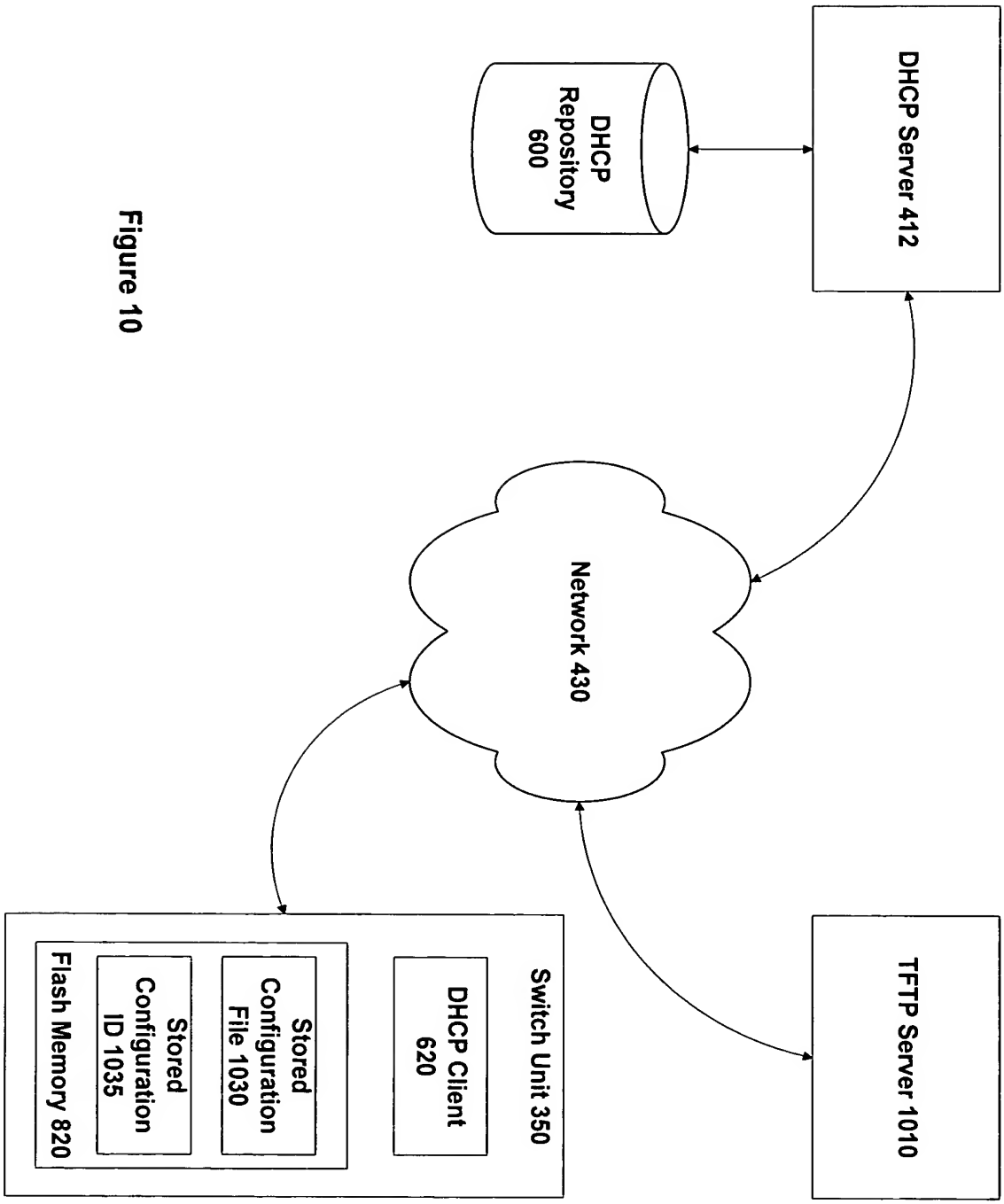
DHCP Server 412
DHCP Repository 600
Network 430
TFTP Server 1010
Switch Unit 350
DHCP Client 620
Stored Configuration File 1030
Stored Configuration ID 1035
Flash Memory 820

Figure 10